

FIG. 1

0 L L	1 H L	2 H L	3 H L
1 L H	1 H H		
2 L H		2 H H	
3 L H			3 H H

FIG.2

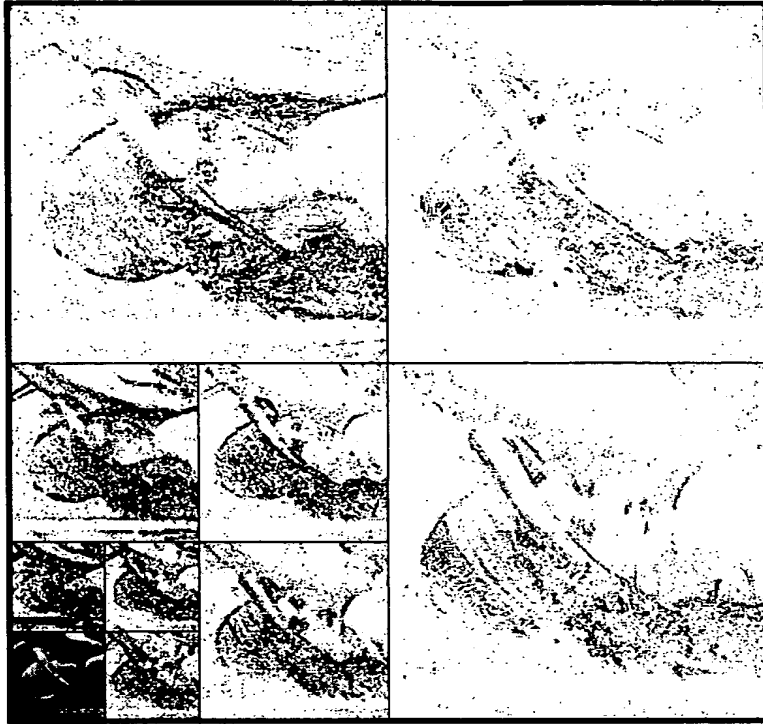


FIG. 3B

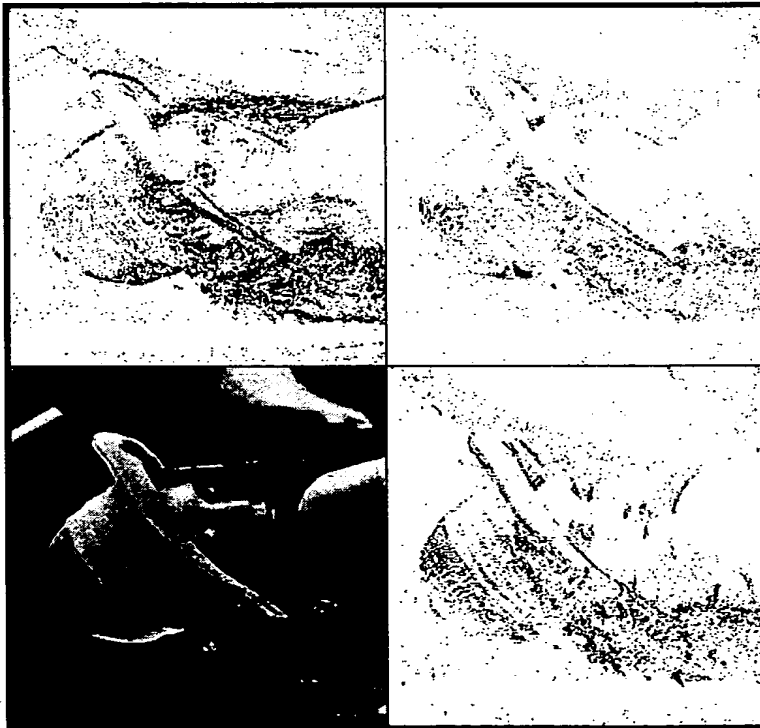


FIG. 3A

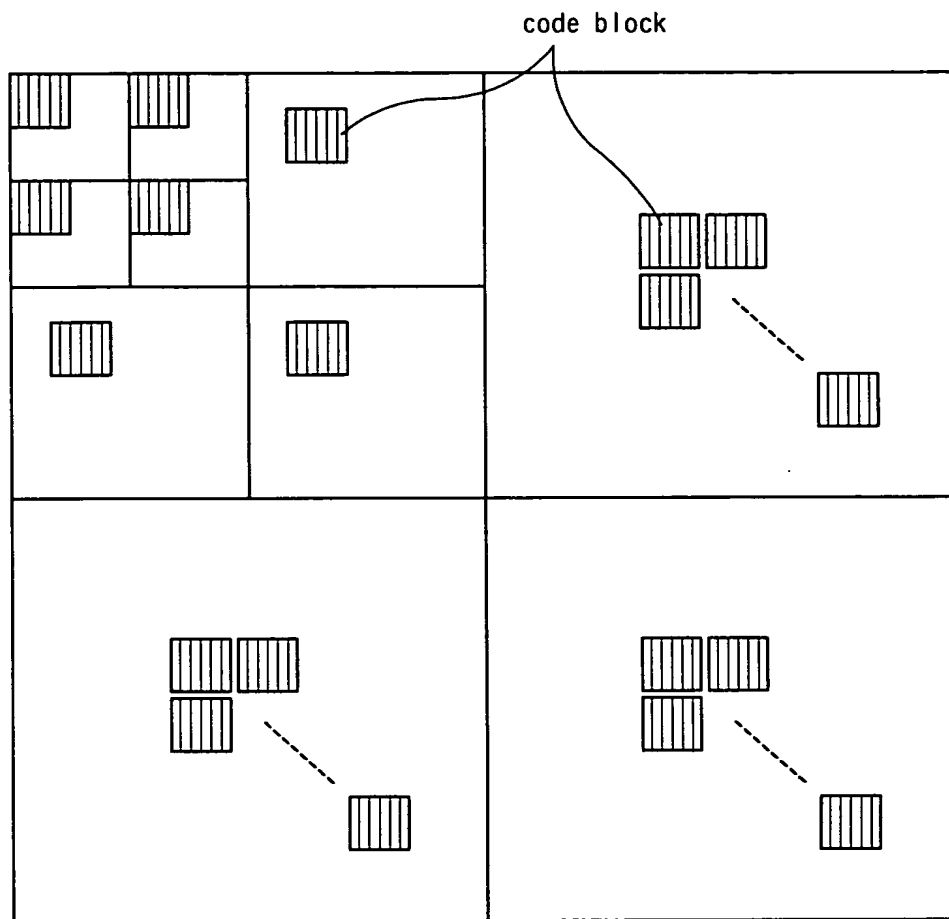
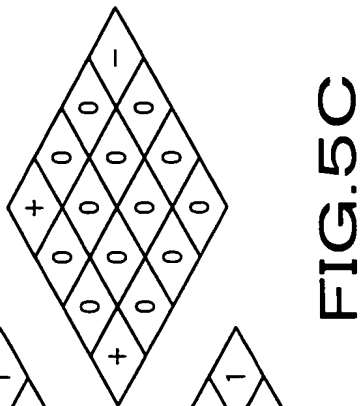
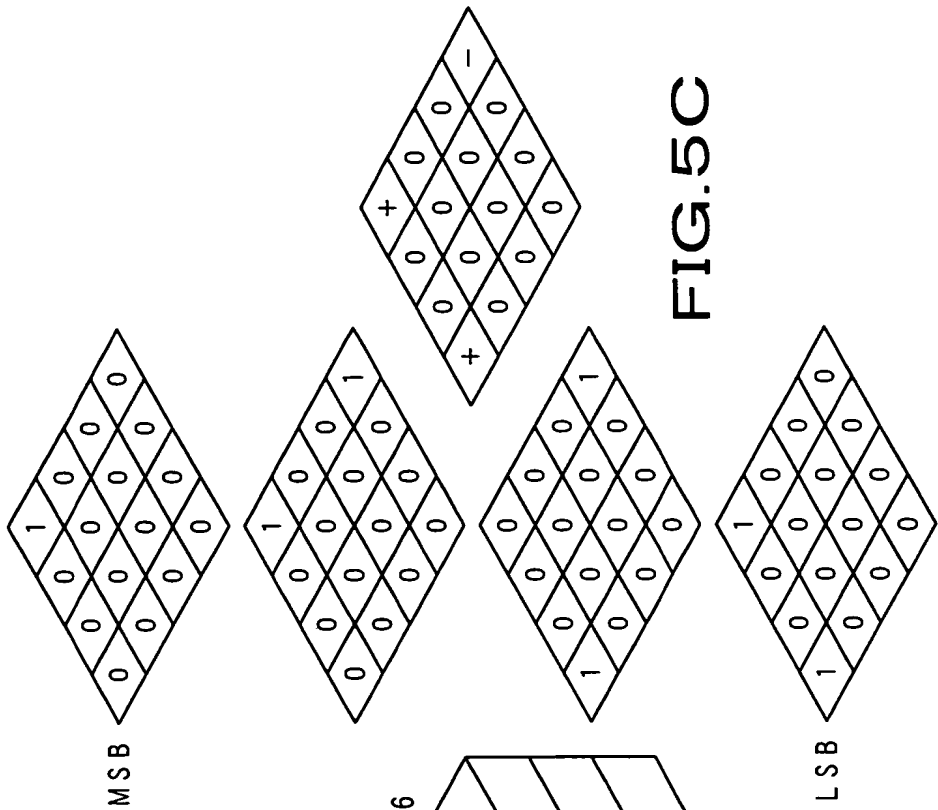
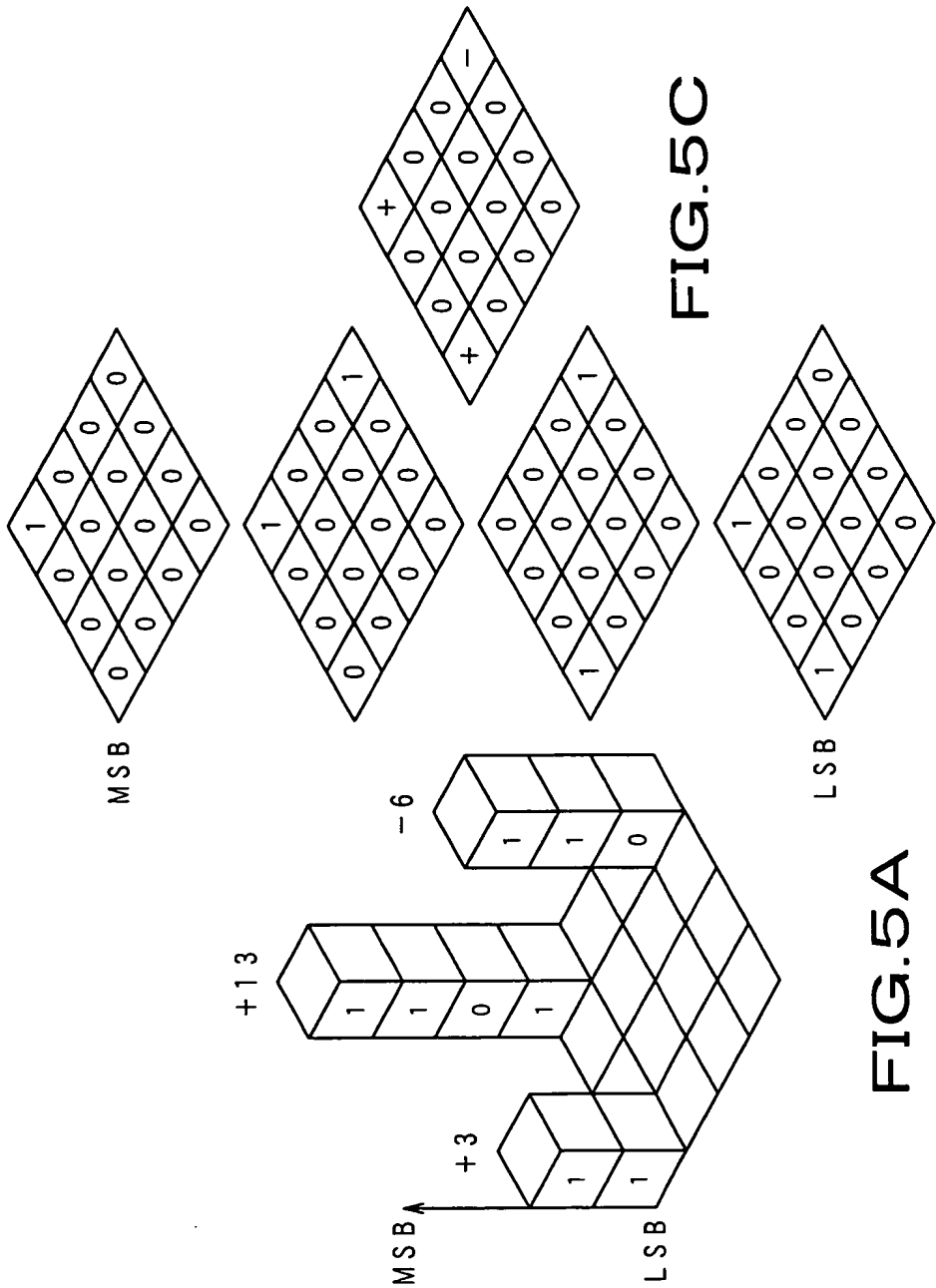


FIG.4



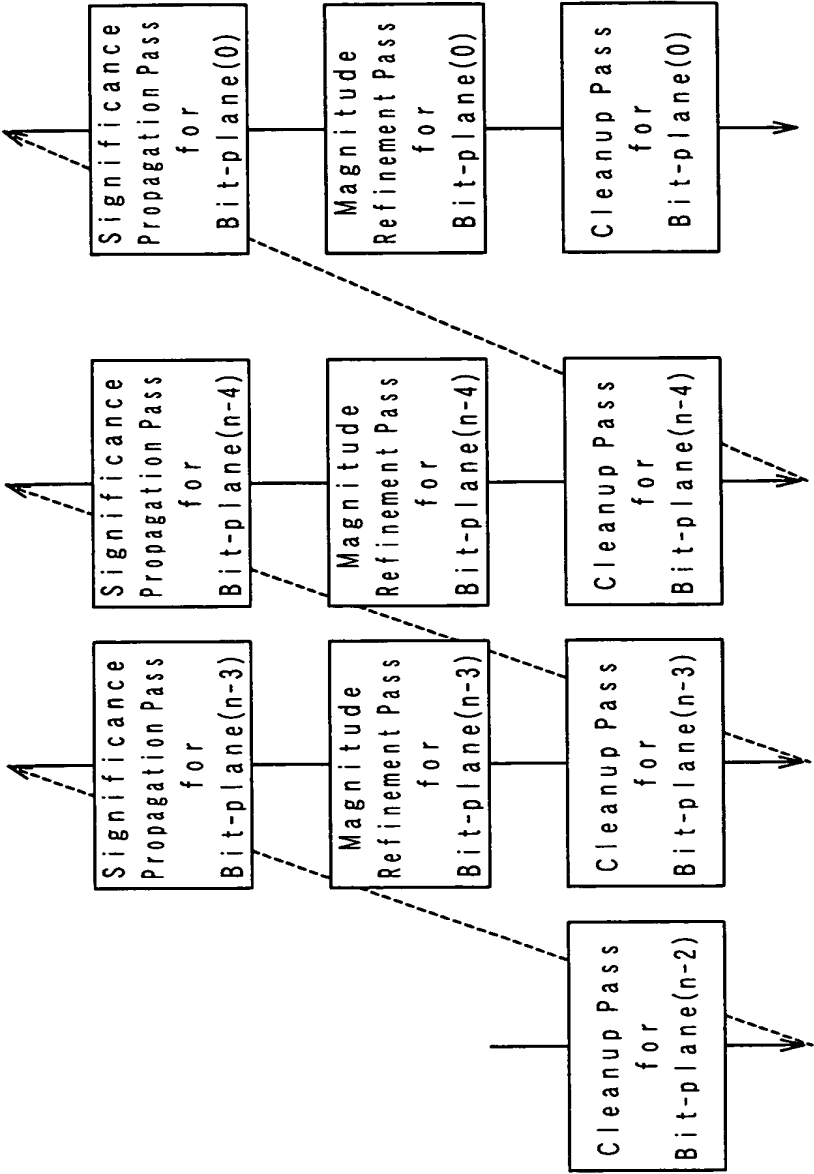


FIG.6

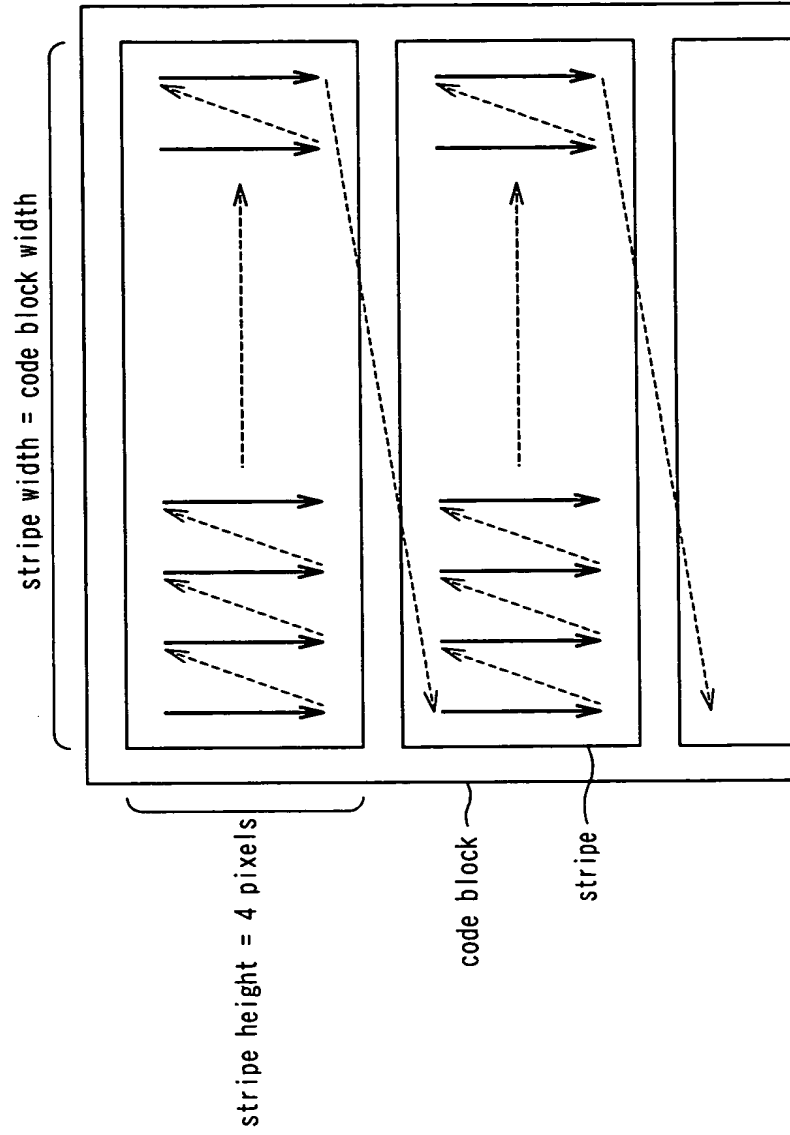


FIG.7

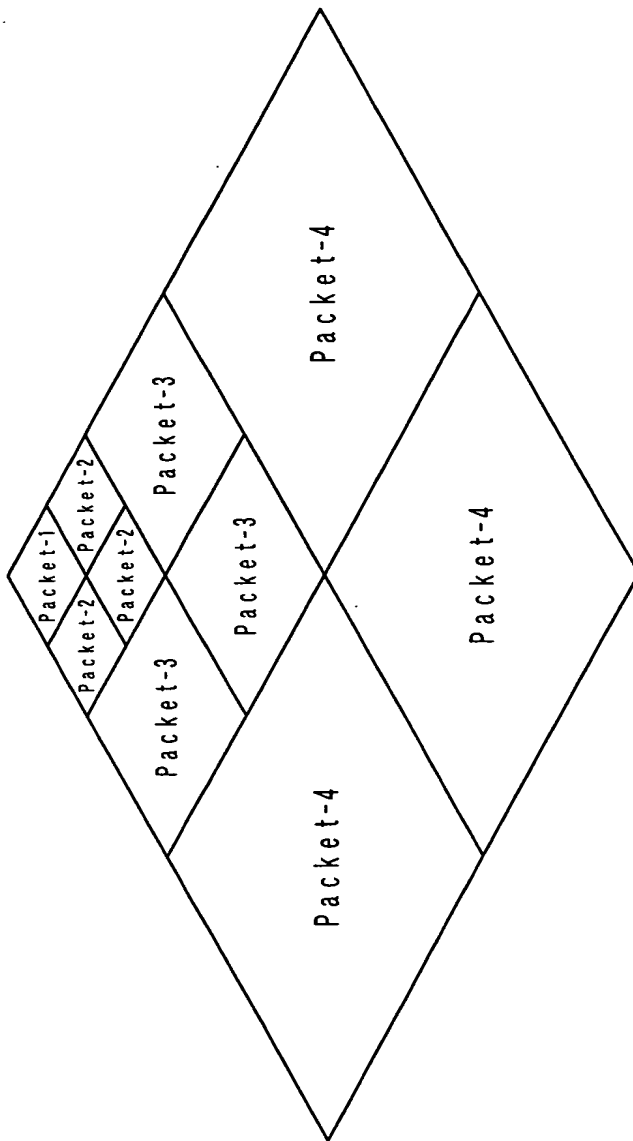


FIG.8

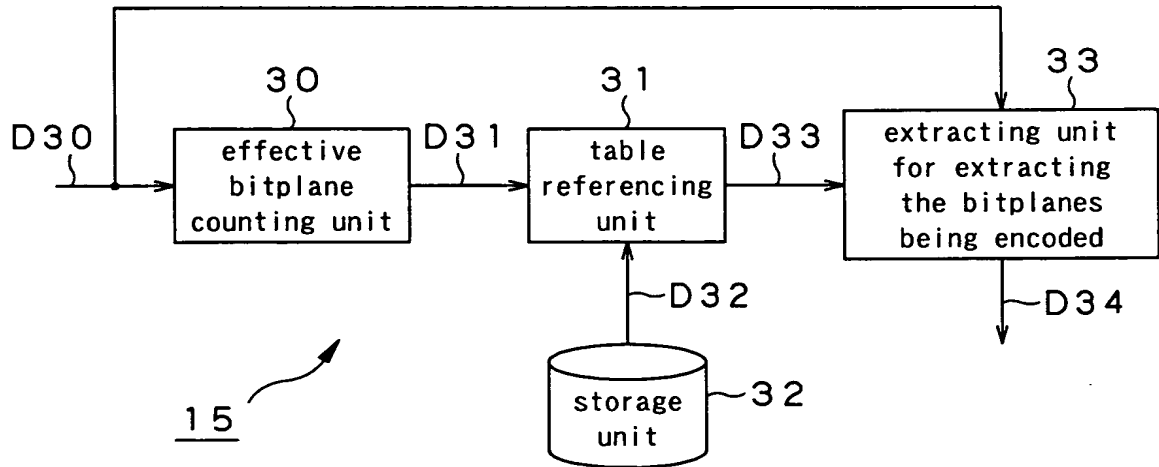


FIG. 9

number of effective bitplanes	number of bitplanes for encoding
0-5 0 0	4
5 0 1-1 0 0 0	5
1 0 0 1-	6

FIG. 10

Level	HL		LH		HH	
1	0-500	4	0-500	4	0-500	3
	501-1000	5	501-1000	5	501-1000	4
	1001-	6	1001-	6	1001-	5
2	0-500	4	0-500	3	0-500	3
	501-1000	5	501-1000	4	501-1000	4
	1001-	6	1001-	5	1001-	5
3	0-500	3	0-500	3	0-500	3
	501-1000	4	501-1000	4	501-1000	4
	1001-	5	1001-	5	1001-	5
4	0-500	1	0-500	1	0-500	1
	501-1000	2	501-1000	2	501-1000	2
	1001-	3	1001-	3	1001-	3
5	0-500	1	0-500	1	0-500	1
	501-1000	2	501-1000	2	501-1000	2
	1001-	3	1001-	3	1001-	3

FIG. 11

<div></div>	3 HL	4 HL	5 HL
3 LH	3 HH		
4 LH		4 HH	5 HH
5 LH			

FIG.1 2

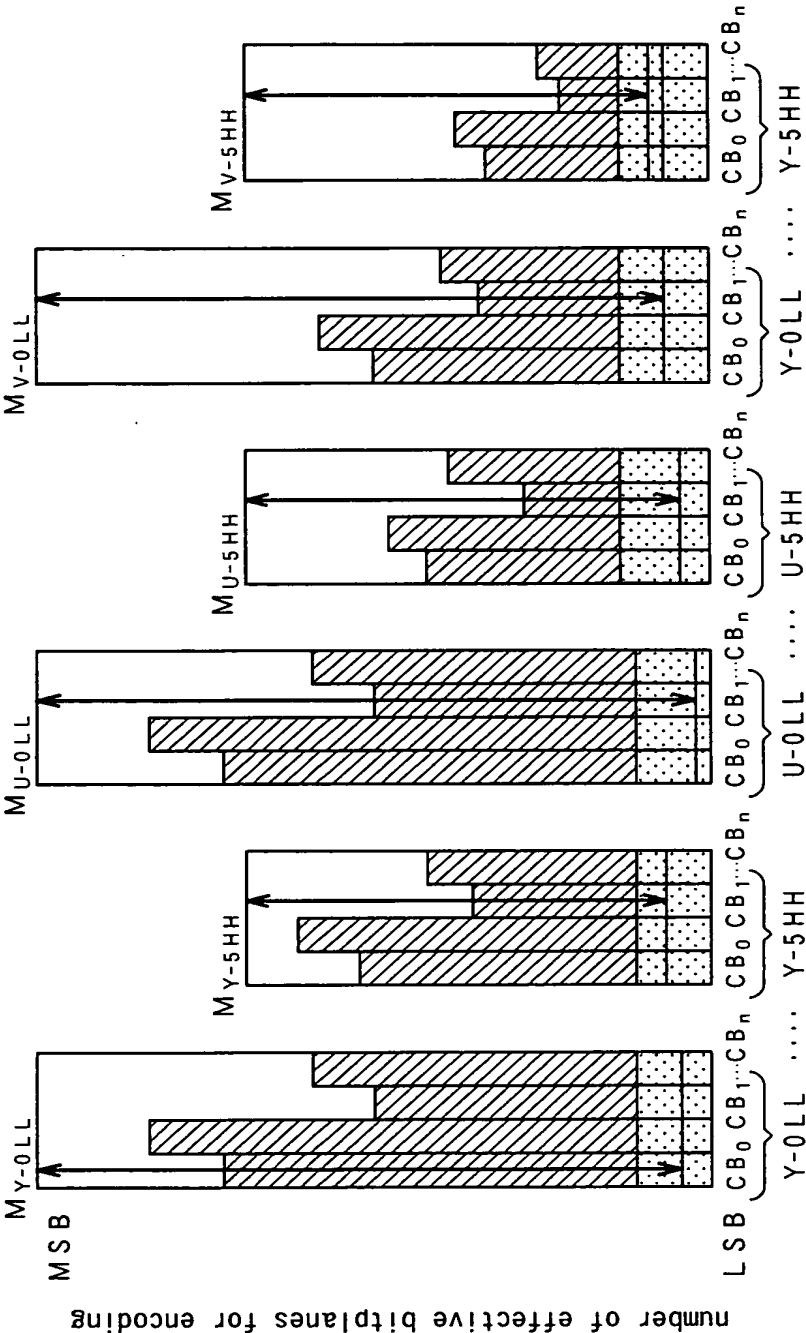


FIG.13

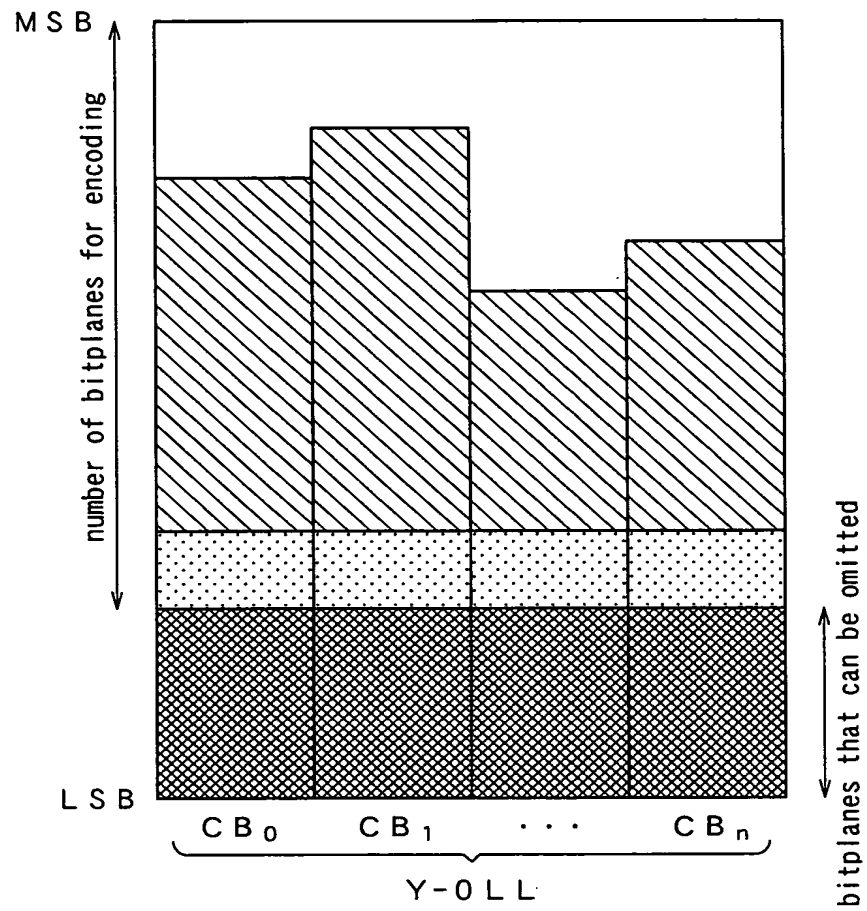


FIG. 14

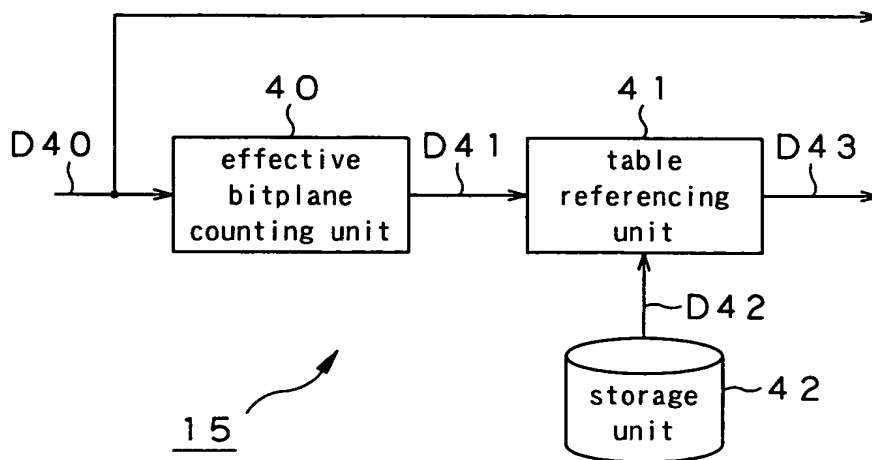


FIG. 15

number of effective bitplanes	number of encoding passes for encoding
0-500	8
501-1000	10
1001-	12

FIG. 16

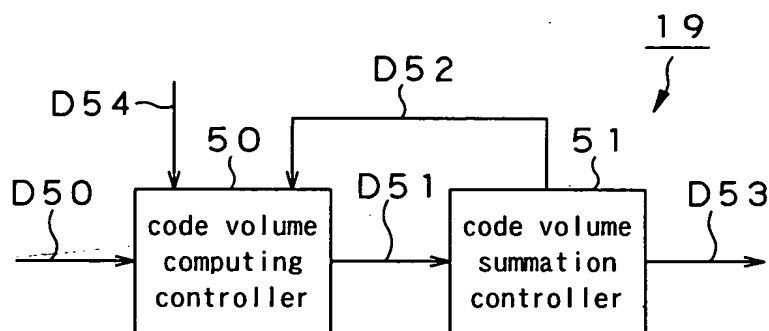


FIG. 17

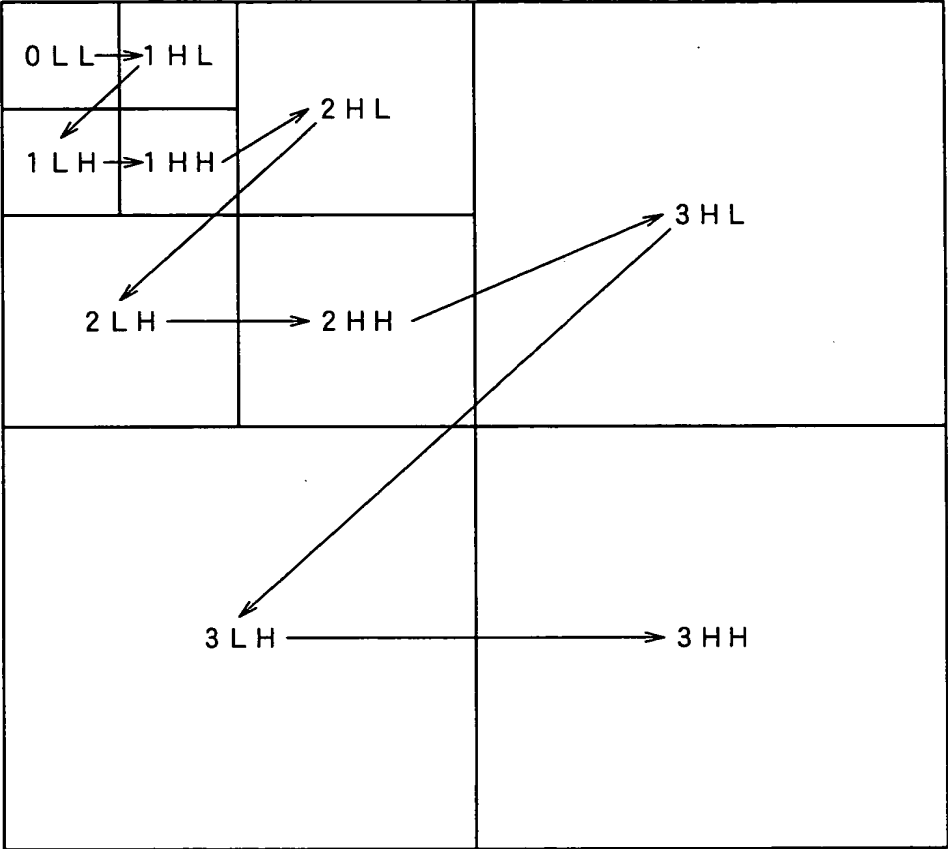


FIG. 18

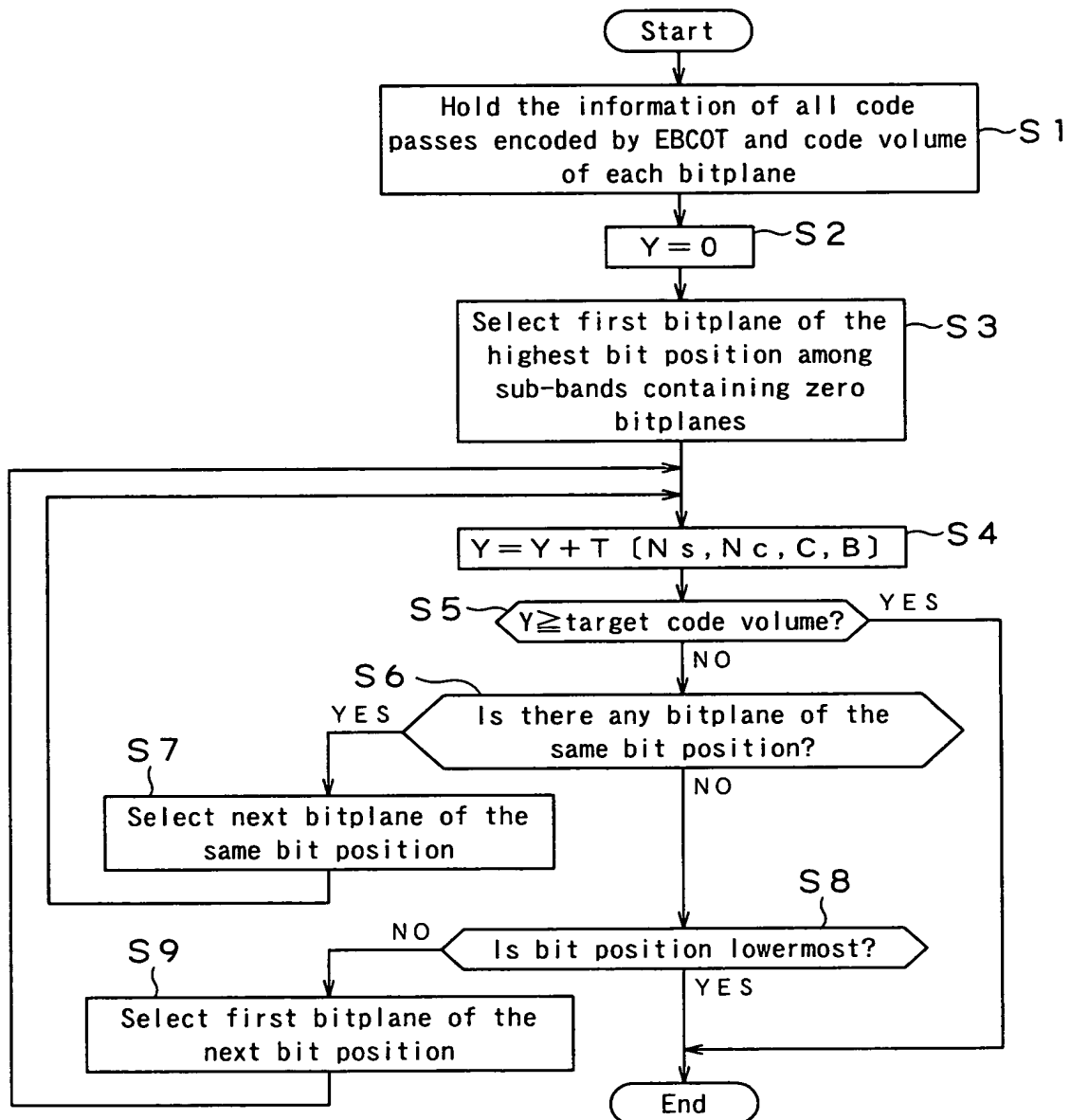


FIG. 19

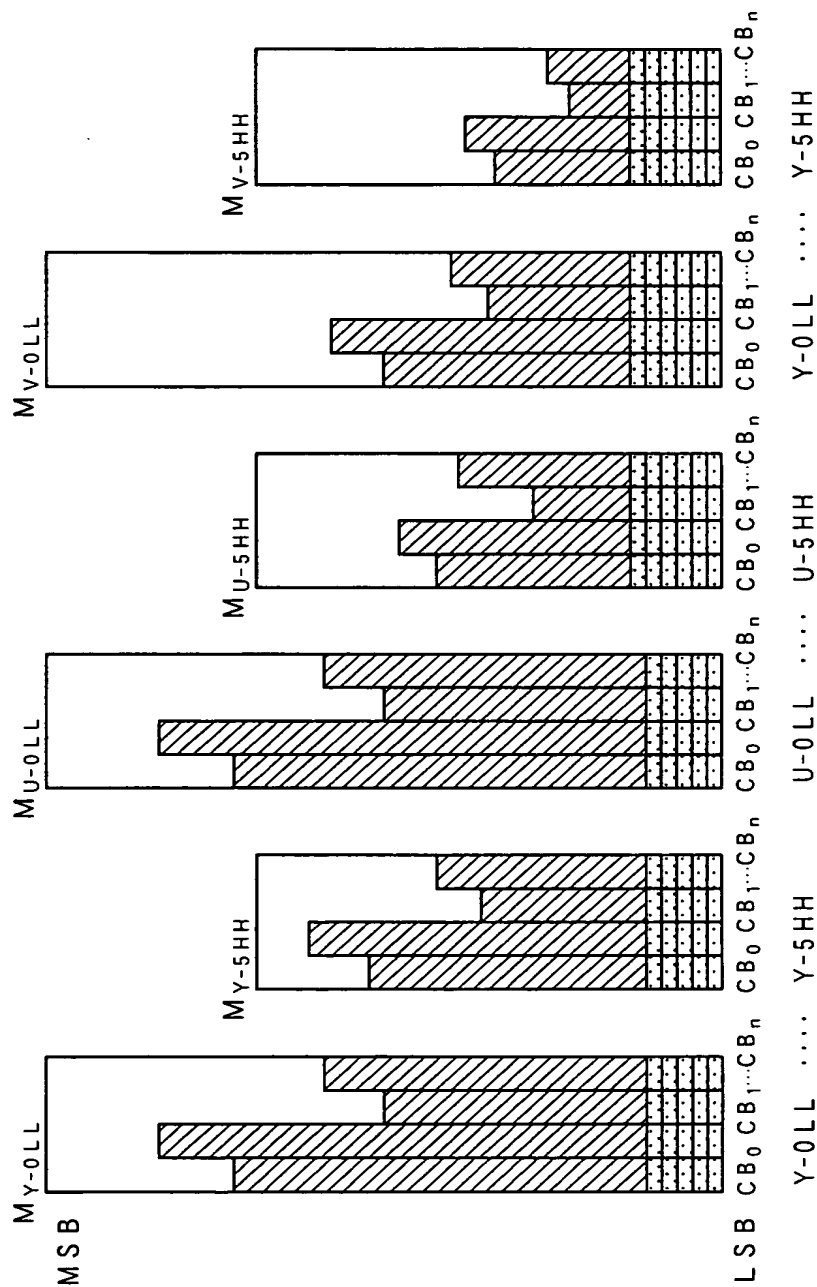


FIG.20

Level	Y				Cb				Cr			
	LL	HL	LH	HH	LL	HL	LH	HH	LL	HL	LH	HH
0	1.000				1.000				1.000			
1		1.000	1.000	1.000		0.813	0.813	0.738		0.856	0.856	0.797
2		1.000	1.000	1.000		0.680	0.680	0.567		0.750	0.750	0.656
3		0.999	0.999	0.999		0.489	0.489	0.349		0.587	0.587	0.458
4		0.838	0.838	0.702		0.267	0.267	0.142		0.375	0.375	0.236
5		0.276	0.276	0.091		0.090	0.090	0.090		0.167	0.167	0.070

FIG.21

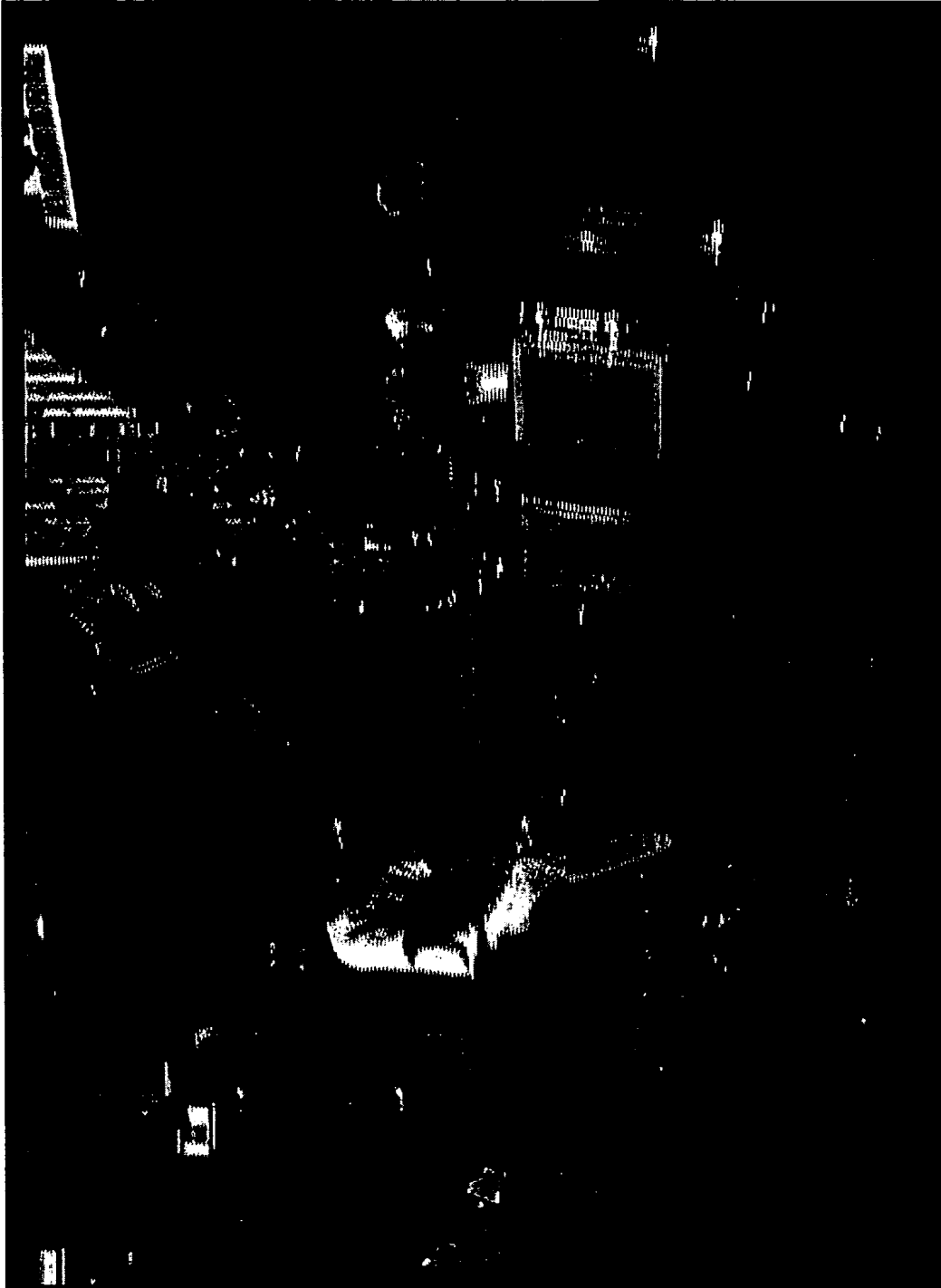


FIG.22

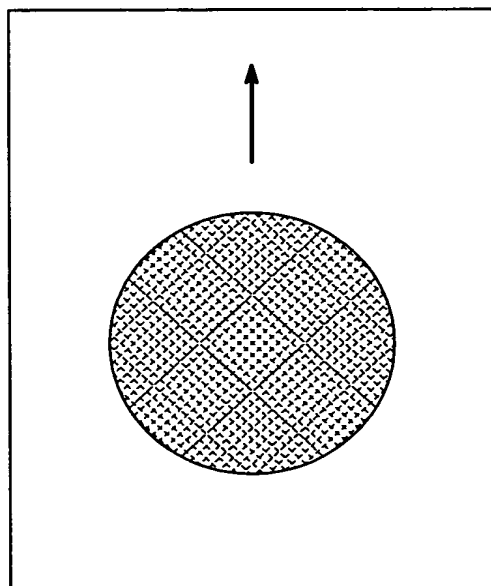


FIG. 23A

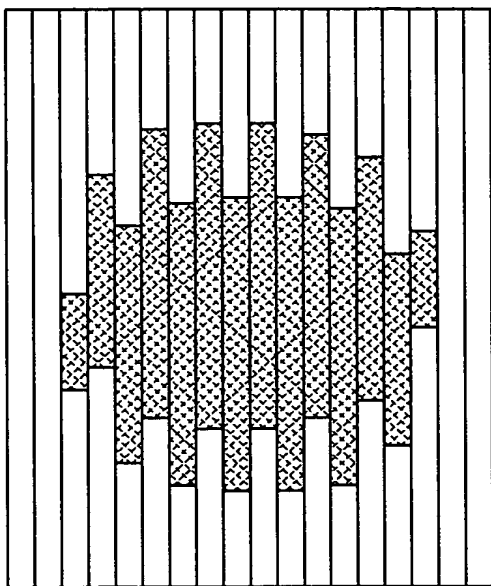


FIG. 23B



FIG.24

L e v e l	HL	LH	HH
1	0-500 4 501-1000 5 1001- 6	0-500 4 501-1000 5 1001- 6	0-500 3 501-1000 4 1001- 5
2	0-500 4 501-1000 5 1001- 6	0-500 3 501-1000 4 1001- 5	0-500 3 501-1000 4 1001- 5
3	0-500 3 501-1000 4 1001- 5	0-500 3 501-1000 4 1001- 5	0-500 3 501-1000 4 1001- 5
4	0-500 1 501-1000 2 1001- 3	0-500 1 501-1000 2 1001- 3	0-500 1 501-1000 2 1001- 3
5	0-500 1 501-1000 2 1001- 3	0	0-500 1 501-1000 2 1001- 3

FIG.25